Philip Page

Name:	Dr. Philip R. Page	**Nationality:**	South African
Address:	T-16, MS B283	**Residence:**	U.S. Permanent
	Los Alamos National Laboratory	**Age:**	33
	Los Alamos, NM 87545, U.S.A.		

+1-505-665-7551 (Tel.) 667-1931 (Fax.) prp@lanl.gov (E-mail)

GOALS: Due to a reputation as a physics generalist with an intuitive grasp of physical concepts, I am able to successfully integrate current & future research directions.

EDUCATION AND QUALIFICATIONS

1992-95 **University of Oxford**, U.K.

1996 **Ph.D.** *(Theoretical Elementary Particle Physics)* *3 yrs*

Advisor: Prof. Frank Close Thesis title: "Gluon Excitations in Mesons".

1991-92 **University of Cambridge**, U.K.

1992 **Certificate of Advanced Study in Mathematics** *with distinction 1 yr*

A+ A A A A A– A– . Within the top 20 % of those obtaining distinctions.

1987-91 **University of Cape Town (U.C.T.)**, South Africa

1991 **M.Sc.** *(Theoretical Elementary Particle Physics)* *with distinction 1 yr*

Thesis title: "The Weak Coupling Constants in Cavity Quantum Chromodynamics".

1990 **B.Sc. (Hons.)** *(Theoretical Physics)* *with distinction 4 yrs*

Subjects: Yr1 Computer Science, Stats., Applied Maths., Maths., Philosophy
Yr2 Statistics, Applied Maths., Maths., Physics
Yr3 Applied Maths., Maths., Theoretical Physics, German
Yr4 Theoretical Physics

1987-90 Highest marks in Physical Sciences each year. Best student in 9 full year courses. One of 12 students in history on Science Merit List each year.

WORK EXPERIENCE

Recent work: Conduct research in theoretical nuclear and particle physics: Model building, quantum mechanics & quantum field theory of strong interactions (nuclear & chromodynamics). Analytically calculate statistical probabilities, solve multi–variate differential equations and integrals. Utilize computational numerical methods and algorithms (Gaussian quadrature integration, root finding and optimization). Perform symbolic algebra (Maple, REDUCE, Mathematica). Employ PC, Silicon Graphics, DEC & Sun work stations. Familiarity with complex systems, quantum computing and bioinformatics.

2002- **Los Alamos National Laboratory (LANL)**. Limited term *technical staff member* in Nuclear Physics, Theoretical Division.

2002- Advisor for new science facility at GSI (Darmstadt, Germany).

2001 Oak Ridge National Lab. & University of Tennessee, Knoxville. *Postdoctoral fellow.*

1998-01 LANL Director & group *postdoctoral fellow.*

1998- Review grant proposals for the National Science Foundation, NSERC (Canada), US–Israel Binational Science Foundation & Department of Energy.

1997 Awarded the *Lindemann Fellowship* to spend a year as a researcher at any institution in the U.S.A. Tenure chosen at Jefferson Lab.

1996 *Lecturer* in Theoretical Physics, University of Manchester, U.K.
Teaching first year undergraduate course "Random Processes in Physics".

1996- Referee: Phys. Review Letters, Physical Review C & D, Nuclear Physics A.

1995 Problem solving: Tutor in Differential Geometry, Oxford.

1991 Teaching assistant in Physics, U.C.T.

1991 Student vacation work on Magellanic Clouds, South African Astronomical Observatory.

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1988-89 Student vacation work in syndicated groups in nuclear fusion (magnetohydrodynamics) & fission modelling (radiation transport) (computational numerical methods), Atomic Energy Corporation, South Africa.

SKILLS

Computing	*Computer languages :*	FORTRAN 77 (fluent), Pascal, Basic
	Operating systems :	UNIX, XWindows, MSDOS, MS Windows
	Computer programs :	IDL, Excel, Word, LaTeX
	Substantial programming :	2300 line FORTRAN 77 code for M.Sc. thesis
Languages	English, Afrikaans, Dutch/Flemish, German	

POSITIONS OF RESPONSIBILITY IN TEAM SETTINGS

LANL	1999-01	Seminar organizer.
	1998-	Co–maintainer: data site "QCD Exotica" http://fafnir.phyast.pitt.edu/exotica/
Oxford	1994-96	Organizing conferences and decision making as a member of the national committee of a scientific organization, U.K.
U.C.T.	1989-91	*Debating Society* : Instrumental in its formation and *chairman* in 1990.
	1990	Communicating, advising & instructing as a university residence councillor.
School	1986	*Chairman* of Science club and Mathematics club.

PRESENTATIONS

Seminars Presented 46 seminars in U.S.A. (1996–2002), Canada (1997), France (1996), U.K. (1994–96), Germany (2000), South Africa (1993,95,97,2001). Presented 3 colloquia and 3 lecture series in the U.S.A. and Germany.

Talks 7 invited talks at conferences, 2 invited lecture series at international summer schools, 4 invited talks at workshops, 16 contributed talks at conferences.

INDEPENDENT RESEARCH CAPABILITY: 24 publications in refereed scientific journals; full length article in *Scientific American*; 21 published contributions in conference, summer school, and workshop proceedings.

EXPERIMENTAL INVOLVEMENT

Membership of Experimental Collaborations: Experiment E99005, Hall B (Jefferson Lab)
Hall D Collaboration (Jefferson Lab)

Two further approved experiments at Jefferson Lab have been inspired by, and are testing predictions made in, my work.

AWARDS AND ACHIEVEMENTS

Fellowships	1997	Lindemann Fellowship of the English–Speaking Union (U.K.)	
Scholarships	1992-95	Oxford Overseas Bursary	
	1991	Cambridge Overseas Trust Scholarship	
Prizes	1992	Peterhouse Maths. Prizeman	for Cambridge Maths. distinction
	1991-92	Queen Victoria Scholarship	for B.Sc. (Hons.) distinction
	1991	Escom Top Achievement Award	for top South African student in science and engineering. $3000 awarded to U.C.T. Dept. of Physics for a memorial library collection.
		Fulbright Award (U.S.A.)	for well rounded qualities

REFEREES

Dr. J. Terrance Goldman (Tel: 73244, E-mail: tgoldman@lanl.gov) and Dr. Joseph N. Ginocchio (Tel: 75630, E-mail: gino@lanl.gov). Both have address: T-16, MS B283, LANL; fax: 71931.